

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-27 (Canceled).

Claim 28 (New): A document editing method comprising:

a step in which a document editing system actuates a first document processor for editing a plurality of structured documents each having a document structure including a plurality of elements, the first document processor corresponding to a first structured document selected from among said plurality of structured documents;

a step in which the actuated first document processor reads the first structured document;

a step in which the first document processor determines type information associated with the read first structured document and determines whether or not the first structured document is a block document, the block document including tag information for specifying partial documents that correspond to operation units, the operation units including at least one of the elements that coincides with, or is included in, the first structured document;

a conversion step which is executed when the first structured document is not determined to be the block document, and in which the first structured document is converted into the block document, the first document processor (a) using a block conversion rule based on which the structured document is processed to obtain partial documents corresponding to the operation units and the tag information is inserted, or (b) inserting the tag information such that the first structured document becomes partial documents corresponding to the operation units;

a step in which the first document processor displays either the first structured document determined as the block document or the first structured document converted into the block document on a display;

a step in which the first document processor prepares parts data for each of the partial documents, based on the tag information included in the first structured document, said parts data including at least the partial documents included in the first structured document and position information representing where on the document structure the partial documents are;

a step in which the first document processor stores the first structured document in a storage as a collection of the parts data; and

an editing step in which the first document processor edits the first structured document by updating the parts data corresponding to the partial documents of an operation to be performed, in accordance with an operation for the partial documents selected as an operation target.

Claim 29 (New): A document editing step according to claim 28, wherein the partial document includes, as additional information of the partial document:

a type of the partial document;

at least one conversion rule for converting a data format of the partial document into another data format;

link information inserted in the partial document and linking to another partial document of the structured document; and

at least one of a type and an insertion position of another partial document that can be inserted into the partial document, and

the additional information is included in the parts data.

Claim 30 (New): A document editing method according to claim 28, wherein said editing step includes a parts moving step in which when a position on the document structure of the partial document selected as an operation target is moved, position information contained in parts data corresponding to the partial document is changed in association with a position of a move destination.

Claim 31 (New): A document editing method according to claim 28, further comprising:

a step in which the document editing system actuates a second document processor corresponding to a second structured document, which is one of said plurality of structured documents; and

a step in which the second document processor displays the second structured document, which is the block document, on the display;

wherein the editing step includes a parts insertion step in which when a first partial document included in the first structured document and selected as an operation target is inserted into a specified position of the second structured document, position information contained in first parts data corresponding to the parts data representing the first partial document is changed in association with an insertion position in the second structured document, and second parts data obtained as a result of a change is stored in the storage as parts data on the second structured document.

Claim 32 (New): A document editing method according to claim 28, further comprising:

a step in which the document editing system actuates a second document processor corresponding to a second structured document, which is one of said plurality of structured documents; and

a step in which the second document processor displays the second structured document, which is the block document, on the display,

wherein the editing step includes a parts insertion step in which when a first partial document included in the first structured document and selected as an operation target is inserted into a specified position of the second structured document, new parts data is created, the new parts data including link information for associating a specified position in the second structured document with a parts document corresponding to the first partial document, and the created new data is stored in the storage as parts data on the second structured document.

Claim 33 (New): A document editing method according to claim 29, further comprising:

a step in which the document editing system actuates a second document processor corresponding to a second structured document, which is one of said plurality of structured documents; and

a step in which the second document processor displays the second structured document, which is the block document, on the display,

wherein the editing includes a parts insertion step in which:

(a) when a first partial document included in the first structured document and selected as an operation target is inserted into a second parts document being the partial

document included in the second structured document, a determination is made to determine whether or not the first partial document can be inserted into the second partial document based on a type of the first partial document contained in the first parts data and a type of another partial document that can be inserted into the second partial document contained in the second parts data, which is the parts data corresponding to the second partial document;

(b) when the first partial document can be inserted into the second partial document, position information contained in the first parts data is changed in association with an insertion position in the second structured document, and third parts data obtained as a result of a change is stored in the storage as parts data on the second structured document; and

(c) when the partial document cannot be inserted, a data format of the first partial document contained in the first parts data is converted into a data format that can be inserted into the second partial document, then position information contained in the first parts data is changed in association with an insertion position in the second structured document, and then new parts data obtained as a result of the change in the storage is stored in the storage as parts data of the second structured document.

Claim 34 (New): A document editing method according to claim 28, wherein the editing step includes a parts insertion step in which:

when the first partial document of the first structured document displayed on the display is inserted in the second partial document included in the first structured document,

(a) the data format of the first partial document that cannot be inserted into the second partial document is converted into a data format that can be inserted into the second partial document,

(b) position information contained in parts data corresponding to the first partial document is changed in association with an insertion position in the second partial document,

new parts data obtained as a result of a change in the storage is stored as parts data of the second partial document, and parts data corresponding to the first partial document is deleted from the storage.

Claim 35 (New): A document editing method according to claim 29, wherein the parts data corresponding to the partial document includes at least one conversion rule, and the editing step includes a display switching step in which a display format of the partial document is switched by using one of the conversion rules.

Claim 36 (New): A document editing method according to claim 28, wherein the editing step includes a parts deletion step in which:

when the partial document selected as an operation target is deleted, parts data corresponding to the partial document selected as the operation target and parts data corresponding to the partial document contained in the partial document selected as the operation target are deleted from the storage.

Claim 37 (New): A document editing method according to claim 28, wherein the editing step includes a parts editing step in which:

when contents of the partial document selected as the operation target is edited, the partial document contained in parts data corresponding to the partial document is updated.

Claim 38 (New): A document editing method according to claim 28, wherein the editing step includes a parts adding step in which:

when a new partial document is additionally inserted in the first structured document displayed on the display, the parts data including at least the new partial document and

position information corresponding to an insertion position where the new partial document is inserted on the document structure is created and stored in the storage.

Claim 39 (New): A document editing method according to claim 28, wherein the editing step includes a parts creation step in which:

a partial document in a range specified by a user is extracted from among the partial documents displayed on the display unit, new parts data corresponding to the extracted partial document is created, and the created new parts data is stored in the storage.

Claim 40 (New): A document editing system that actuates a document processor used for editing a structured document, the structured document being one of a plurality of structured documents, each of the structured documents having a document structure made up of a plurality of elements, said document editing system comprising:

actuation means for actuating document processing means corresponding to a structured document selected from among said plurality of structured documents,

said actuated document processing means including:

reading means for reading the selected structured document;

determination means for determining a type information associated with the read structured document and determining whether or not the structured document is a block document, the block document including tag information for specifying partial documents that correspond to operation units, the operation units including at least one of the elements that coincides with, or is included in, the structured document;

conversion means, operated when the first structured document is not determined to be the block document, for converting first structured document into a block document, the first document processing means (a) using a block conversion rule based on which the

structured document is processed to obtain partial documents corresponding to the operation units and the tag information is inserted, or (b) inserting the tag information such that the first structured document becomes partial documents corresponding to the operation units;

display means for displaying the structured document determined as the block document or converted into the block document;

preparation means for preparing parts data for each of the partial documents, based on the tag information included in the structured document, said parts data including at least the partial documents included in the structured document and position information representing where on the document structure the partial documents are;

storage means for storing the structured document as a collection of the parts data;
and

editing means for editing the structured document by updating the parts data corresponding to the partial documents of an operation to be performed, in accordance with an operation for the partial documents selected as an operation target.

Claim 41 (New): A document editing system according to claim 40, wherein the partial document includes, as additional information of the partial document:

a type of the partial document;

at least one conversion rule for converting a data format of the partial document into another data format;

link information inserted in the partial document and linking to another partial document of the structured document; and

at least one of a type and an insertion position of another partial document that can be inserted into the partial document, and

the additional information is included in the parts data.

Claim 42 (New): A document editing system according to claim 40, wherein said editing means includes parts moving means, operated when a position on the document structure of the partial document selected as an operation target is moved, for changing position information contained in parts data corresponding to the partial document in association with a position of a move destination.

Claim 43 (New): A document editing system according to claim 40, wherein:
in a case where display means displays a first structured document and a second structured document, the first structured document being actuated by the actuation means and being displayed by first document processing means corresponding to the first structured document, the second structured document being actuated by the actuation means and being displayed by second document processing means,

wherein the editing means includes parts insertion means, operated when a first partial document included in the first structured document and selected as an operation target is inserted into a specified position of the second structured document, for changing position information contained in first parts data corresponding to the parts data representing the first partial document in association with an insertion position in the second structured document, and for causing the storage means to store second parts data obtained as a result of a change in the storage means as parts data on the second structured document.

Claim 44 (New): A document editing system according to claim 40, wherein:
in a case where display means displays a first structured document and a second structured document, the first structured document being actuated by the actuation means and being displayed by first document processing means corresponding to the first structured

document, the second structured document being actuated by the actuation means and being displayed by second document processing means,

wherein the editing means includes parts insertion means, operated when a first partial document included in the first structured document and selected as an operation target is inserted into a specified position of the second structured document, for creating new parts data, the new parts data including link information for associating a specified position in the second structured document with a parts document corresponding to the first partial document, and for causing the storage means to store the created new data as parts data on the second structured document.

Claim 45 (New): A document editing system according to claim 40, wherein:

in a case where display means displays a first structured document and a second structured document, the first structured document being actuated by the actuation means and being displayed by first document processing means corresponding to the first structured document, the second structured document being actuated by the actuation means and being displayed by second document processing means,

wherein the editing means includes parts insertion means which operates as follows:

(a) when a first partial document included in the first structured document and selected as an operation target is inserted into a second parts document being the partial document included in the second structured document, the parts insertion means makes a determination to determine whether or not the first partial document can be inserted into the second partial document based on a type of the first partial document contained in the first parts data and a type of another partial document that can be inserted into the second partial document contained in the second parts data, which is the parts data corresponding to the second partial document;

(b) when the first partial document can be inserted into the second partial document, the parts insertion means changes position information contained in the first parts data in association with an insertion position in the second structured document, and causes the storage means to store third parts data obtained as a result of a change in the storage means as parts data on the second structured document; and

(c) when the partial document cannot be inserted, the parts insertion means converts a data format of the first partial document contained in the first parts data into a data format that can be inserted into the second partial document, then changes position information contained in the first parts data in association with an insertion position in the second structured document, and then causes the storage means to store new parts data obtained as a result of the change in the storage means as parts data of the second structured document.

Claim 46 (New): A document editing system according to claim 41, wherein the parts data corresponding to the partial document includes at least one conversion rule, and the editing means includes display switching means for switching a display format of the partial document by using one of the conversion rules.

Claim 47 (New): A document editing system according to claim 40, wherein the editing means deletes the partial document selected as an operation target by deleting parts data corresponding to the partial document selected as the operation target and by deleting parts data corresponding to the partial document contained in the partial document selected as the operation target, from the storage means.

Claim 48 (New): A document editing system according to claim 40, wherein the editing means includes parts editing means, operated when contents of the partial document

selected as an operation target are edited, for updating the partial document contained in parts data corresponding to the partial document.

Claim 49 (New): A document editing system according to claim 40, wherein the editing means includes parts adding means, operated when a new partial document is additionally inserted in the first structured document displayed on the display means, for creating the parts data including at least the new partial document and position information corresponding to an insertion position where the new partial document is inserted on the document structure, and for causing the storage means to store the parts data.

Claim 50 (New): A document editing system according to claim 40, wherein the editing means includes parts creation means for extracting a partial document in a range specified by a user from among the partial documents displayed on the display means, for creating new parts data corresponding to the extracted partial document, and for causing the storage means to store the created new parts data.

Claim 51 (New): A document editing system according to claim 40, wherein the block documents of said plurality of structured documents are distributed from a server apparatus.

Claim 52 (New): A document editing system according to claim 51, wherein the structured documents distributed from the server apparatus include tag information specifying the partial documents included therein, and the partial document further includes, as additional information of the partial document:

a type of the partial document;

at least one conversion rule for converting a data format of the partial document into another data format;

link information inserted in the partial document and linking to another partial document of the structured document; and

at least one of a type and an insertion position of another partial document that can be inserted into the partial document.

Claim 53 (New): A document processing program executed for editing a structured document, the structured document being one of a plurality of structured documents and having a document structure made up of a plurality of elements, said document editing program comprising:

a document processing program causing a computer to execute:

a step of reading a selected structured document included among said plurality of structured documents;

a step of determining type information associated with the read structured document and determining whether or not the structured document is a block document, the block document including tag information for specifying partial documents that correspond to operation units, the operation units including at least one of the elements that coincides with, or is included in, the first structured document;

a conversion step, executed when the structured document is not determined to be the block document, for converting the structured document into a block document, by (a) using a block conversion rule based on which the structured document is processed to obtain partial documents corresponding to the operation units and the tag information is inserted, or by (b) inserting the tag information such that the structured document becomes partial documents corresponding to the operation units;

a step of displaying, on a display, the structured document which is determined as the block document or converted into the block document;

a step of preparing parts data for each of the partial documents, based on the tag information included in the structured document, said parts data including at least the partial documents and position information representing where on the document structure the partial documents are;

a step of causing a storage to store the structured document as a collection of the parts data; and

an editing step of editing the structured document by updating the parts data corresponding to the partial documents of an operation to be performed, in accordance with an operation for the partial documents selected as an operation target.